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## NOTICE OF ALLOWANCE AND FEE(S) DUE

23347

7590

06/19/2009

GLAXOSMITHKLINE CORPORATE INTELLECTUAL PROPERTY, MAI B482 FIVE MOORE DR., PO BOX 13398 RESEARCH TRIANGLE PARK. NC 27709-3398 EXAMINER

MABRY, JOHN

ART UNIT PAPER NUMBER

1625

DATE MAILED: 06/19/2009

1	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	10/538,135	06/09/2005	Maosheng Duan	PU5020USW	5458

TITLE OF INVENTION: CYCLOHEXYL COMPOUNDS AS CCR5 ANTAGONISTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/21/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

#### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

ppropriate. All further ndicated unless correcte naintenance fee notifica	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification  a) specifying a new co	of m orresp	naintenance fees wi pondence address;	ill be and/or	mailed to the current of (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Fee(s	s) Transmittal. This rs. Each additional	certif naper	icate cannot be used for	domestic mailings of the or any other accompanying t or formal drawing, must
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GLAXOSMITI CORPORATE I FIVE MOORE I	ROPERTY, MAI B4	I B482		I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.				
RESEARCH TRIANGLE PARK, NC 27709-3398					(Depositor's name)			
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/538,135	06/09/2005		Maosheng Duan		_		PU5020USW	5458
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	09/21/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS	コ				
MABRY	, JOHN	1625	514-183000					
Change of correspondence address or indication of "Fee Address" (37 FR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent	For printing on the patent front page, list ) the names of up to 3 registered patent attorneys agents OR, alternatively, ) the name of a single firm (having as a member a gistered attorney or agent) and the names of up to registered patent attorneys or agents. If no name is sted, no name will be printed.  1				
PLEASE NOTE: Unl recordation as set forti (A) NAME OF ASSIG	ess an assignee is identi h in 37 CFR 3.11. Comp GNEE		data will appear on the Tasubstitute for filing (B) RESIDENCE: (C	ne pa g an a	ntent. If an assigne assignment. and STATE OR Co	OUNT	RY)	cument has been filed for up entity
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a. The following fee(s) a	are submitted:	4t	o. Payment of Fee(s): (  A check is enclose		se first reapply an	y prev	iously paid issue fee s	hown above)
Publication Fee (No small entity discount permitted)			Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any					
Advance Order - #	# of Copies		The Director is he overpayment, to D	reby Depos	authorized to charg sit Account Number	ge the i	required fee(s), any def (enclose an	iciency, or credit any extra copy of this form).
a. Applicant claim	<b>tus</b> (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.	**		, ,		Γ1ΤΥ status. See 37 CF	
OTE: The Issue Fee and terest as shown by the I	d Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other the Office.	an th	ne applicant; a regis	tered a	attorney or agent; or the	e assignee or other party in
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n application. Confident abmitting the completed his form and/or suggesti	tiality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the	1.14. This collection is depending upon the i e Chief Information O	s esti ndivi ffice:	imated to take 12 m idual case. Any cor r. U.S. Patent a <b>n</b> d 1	ninutes nment Fraden	to complete, including s on the amount of tim park Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and he you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450,

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10/538,135	06/09/2005	Maosheng Duan	PU5020USW	5458	
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GLAXOSMITHI	KLINE	MABRY, JOHN			
	TELLECTUAL PROPI	ART UNIT	PAPER NUMBER		
	FIVE MOORE DR., PO BOX 13398 RESEARCH TRIANGLE PARK, NC 27709-3398			9	

### **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 542 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 542 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
	10/539 135	DUAN ET AL.
Notice of Allowability	10/538,135 Examiner	Art Unit
		1005
	JOHN MABRY	1625
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap ) or other appropriate communication (IGHTS. This application is subject to	plication. If not included will be mailed in due course. <b>THIS</b>
1. X This communication is responsive to Applicant's Response	<u>e dated 2/25/09</u> .	
2. The allowed claim(s) is/are <u>40-43</u> .		
<ul> <li>3. ☐ Acknowledgment is made of a claim for foreign priority u</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> <li>1. ☐ Certified copies of the priority documents have</li> </ul>	, , , ,	
2. Certified copies of the priority documents have	e been received in Application No	·
3. Copies of the certified copies of the priority do	ocuments have been received in this	national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv		
5. CORRECTED DRAWINGS ( as "replacement sheets") mu	st be submitted.	
(a) including changes required by the Notice of Draftsper	son's Patent Drawing Review ( PTO-	-948) attached
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	<u>.</u>	
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal F	Potent Application
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	• •
	Paper No./Mail Da	te .
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛛 Examiner's Amendi	ment/Comment
4. Examiner's Comment Regarding Requirement for Deposit	8. 🔲 Examiner's Stateme	ent of Reasons for Allowance
of Biological Material	9.	
/Rita J. Desai/		
Primary Examiner, Art Unit 1625		

Application/Control Number: 10/538,135 Page 2

Art Unit: 1625

# Response to Amendment(s)

Applicant's response on February 25, 2009 filed in response to the Office Action dated October 29, 2008 has been received and duly noted.

In view of this response, the status of the rejections/objections of record is as follows:

### Status of the Claims

Claims 40-43 are allowed.

Claims 1-39 have been cancelled.

Application/Control Number: 10/538,135 Page 3

Art Unit: 1625

# 35 USC § 112 Rejection(s)

The 112-2<sup>nd</sup> rejection regarding the position of R2 on the piperidinyl ring have been overcome in view of Applicant cancelling the claims.

The 112-2<sup>nd</sup> rejection regarding the term "derivative" have been overcome in view of Applicant cancelling the claims.

The 112-1<sup>st</sup> rejection regarding the terms "solvate and hydrate" have been overcome in view of Applicant cancelling the claims.

The 112-1<sup>st</sup> rejection regarding the scope of enablement for "R2, R3 and R9" has been overcome in view of Applicant cancelling the claims.

# Claim Rejections - 35 USC § 103

Claims 1, 6-8, 11, 15-18, 20, 21 rejections are <u>withdrawn</u> under 35 U.S.C. 103(a) as being unpatentable over US 7,105,507 in view of Applicant cancelling the claims.

## Obviousness-Type Double Patenting Rejection(s)

The obviousness-type double patenting rejected has been overcome over US Patent 7,271,172 and US Applications 10/538,144 and 10/538,145 (now US Patent 7,452,992) in view of properly executed Terminal Disclaimers.

#### Conclusion

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Mabry, PhD whose telephone number is (571) 270-1967. The examiner can normally be reached on M-F from 9am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the Examiner's primary examiner can be reached at (571) 272-0684, first, or the Examiner's supervisor, Janet Andres, PhD, can be reached at (571) 272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/538,135 Page 5

Art Unit: 1625

/John Mabry/ Examiner Art Unit 1625

> /Rita J. Desai/ Primary Examiner, Art Unit 1625